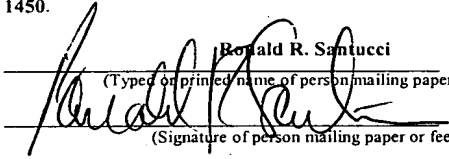


FORM PTO-1390 (REV. 1-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <b>930008-2198</b>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known see 37 C.F.R. 1.5) <b>10/528520</b>	
INTERNATIONAL APPLICATION NO. <b>PCT/EP2003/010631</b>		INTERNATIONAL FILING DATE <b>24 September 2003 (24.09.2003)</b>		PRIORITY DATE CLAIMED <b>25 September 2002 (25.09.2002)</b>	
TITLE OF INVENTION <b>NANODEVICE FOR CONTROLLED CHARGED PARTICLE FLOW AND METHOD FOR PRODUCING SAME</b>					
APPLICANT(S) FOR DO/EO/US <b>Zuzanna SIWY, Jan BEHREND, Niels FERTIG, Andrzej FULINKSI, Charles R. MARTIN, Reinhard NEUMANN, Christina TRAUTMANN, Eugenia TOIMIL MOLARES</b>					
<p>Applicants herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <b>(UNSIGNED)</b></li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <b>(ALONG WITH FORM 1449)</b></li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment. <span style="float: right;"><b>EXPRESS MAIL</b></span></li> <li>14. <input type="checkbox"/> An Application Datasheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: International Search Report; check for \$1,150</li> </ol>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Mailing Label Number: <b>EV195875384US</b></p> <p>Date of Deposit: <b>March 18, 2005</b></p> <p>I hereby certify that this paper or fee is being deposited with the United States Postal Service</p> <p>"Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: <b>Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</b></p> <div style="text-align: right; margin-top: 10px;"> <p><b>Ronald R. Santucci</b> (Typed or printed name of person mailing paper or fee)</p> <p> (Signature of person mailing paper or fee)</p> </div> </div> <div style="width: 45%;"></div> </div>					

U.S. APPLICATION NO. (If known, see 37 CFR 1.55) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/528520</div>		INTERNATIONAL APPLICATION NO. PCT/EP2003/010631		ATTORNEY'S DOCKET NO. 930008-2198	
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The following fees are submitted:

21. <input checked="" type="checkbox"/> Basic national fee .....	\$300.00	\$300.00	
22. <input checked="" type="checkbox"/> Examination fee .....			
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....			
	\$100.00		
All other situations.....	\$200.00	\$200.00	
23. <input checked="" type="checkbox"/> Search fee .....			
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....			
	\$100.00		
International Search Report prepared and provided to the Office.....	\$400.00		
All other situations.....	\$500.00	\$400.00	
<b>TOTAL OF 21, 22 and 23=</b>		<b>\$900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
20 - 100=	/50=		x \$250.00
			\$
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			\$
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	25 - 20=	5	x \$50.00
Independent claims	2 - 3=	0	x \$200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>			<b>\$1,150.00</b>
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.			\$
<b>SUBTOTAL =</b>			<b>\$1,150.00</b>
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).			\$
			+
<b>TOTAL NATIONAL FEE =</b>			<b>\$1,150.00</b>
Fee for recording the enclosed assignments (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			\$
			+
<b>TOTAL FEES ENCLOSED =</b>			<b>\$1,150.00</b>
			Amount to be refunded:
			\$
			Amount to be charged:
			\$

a. ☒ A check in the amount of **\$1,150.00** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **50-0320**. A duplicate copy of this sheet is enclosed.

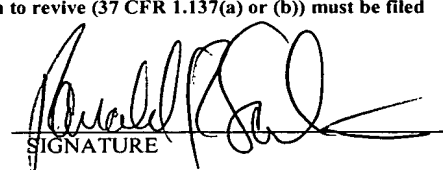
d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

**Ronald R. Santucci**  
 Frommer Lawrence & Haug LLP  
 745 Fifth Avenue  
 New York, New York 10151

March 18, 2005

  
 SIGNATURE  
 Ronald R. Santucci  
 NAME  
 28,988  
 REGISTRATION NUMBER